



NEON W/W - AEROSOL

# SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

## 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product identifier</b>	
Product Name	NEON W/W – AEROSOL.
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	A Water Washable or Solvent Removable Fluorescent Dye Penetrant for use in the Dye Penetrant Inspection process BS EN ISO 571-1: 1997 (BS EN ISO 3452-2:2006)(AMS 2644, Type 1, Method A, Level 2).
Uses advised against	None known.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
Company Identification	Johnson and Allen Ltd Neocol Works Smithfield Sheffield S3 7AR.
Telephone	0114 2738066
Fax	0114 2729842
E-Mail (competent person)	info@johnsonandallen.co.uk
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	0114 2738066 (UK office hours 08.30-17.00)

## 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Aerosol 3; Pressurised container: May burst if heated. Skin Irrit. 2; Causes skin irritation. Eye Dam. 1; Causes serious eye damage. Asp. Tox. 1; May be fatal if swallowed and enters airways. Aquatic Chronic 2; Toxic to aquatic life with long lasting effects.
<b>2.1.2 Directive 67/548/EEC &amp; Directive 1999/45/EC</b>	Xi; Irritating to skin. Risk of serious damage to eyes. Xn; Harmful: may cause lung damage if swallowed. N; Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>2.2 Label elements</b>	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) NEON W/W – AEROSOL.
Hazard Pictogram	  
Signal word(s)	Danger.



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Hazard statement(s)

H229: Pressurised container: May burst if heated.  
H304: May be fatal if swallowed and enters airways.

Precautionary statement(s)

H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H411: Toxic to aquatic life with long lasting effects.  
P273: Avoid release to the environment.  
P331: Do NOT induce vomiting.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P302+P352: IF ON SKIN: Wash with plenty of water/soap.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501: Dispose of contents/container to: Suitable incineration plant.

### 2.3 Other hazards

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

### 2.4 Additional Information

For full text of H/P phrases see section 16.

## 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

### 3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Distillates (petroleum), hydrotreated middle; Gasoil - unspecified	25-50	64742-46-7	265-148-2	None assigned	GHS08, Asp. Tox. 1; H304
Alcohols, C12-18, ethoxylated and propoxylated	10-25	69227-21-0	500-242-1	None assigned	GHS05, Eye Dam. 1; H318, GHS09, Aquatic Chronic 2; H411
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	10-20	112-34-5	203-961-6	None assigned	GHS07, Eye Irrit. 2; H319
Nonylphenol, branched, ethoxylated	10-20	68412-54-4	500-209-1	None assigned	GHS07, Skin Irrit. 2; H315, Eye Irrit. 2; H319, GHS09, Aquatic Chronic 2; H411
Alcohols, C11-14-iso-, C13-rich	2.5-10	68526-86-3	271-235-6	None assigned	GHS09, Aquatic Acute 1; H400
Ethoxylated Secondary Alcohols (C11-15)	2.5-5	68131-40-8	None assigned	None assigned	GHS05, Eye Dam. 1; H318, GHS07, Skin Irrit. 2; H315
1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-C15-17-unsatd. Alkyl derivs	0.1-0.25	68937-01-9	273-051-1	None assigned	GHS05, Skin Corr. 1B; H314, GHS07, Acute Tox. 4; H302, GHS09, Aquatic Chronic 1; H410
Carbon dioxide	1-10	124-38-9	204-696-9	None assigned	None



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EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Distillates (petroleum), hydrotreated middle; Gasoil - unspecified	25-50	64742-46-7	265-148-2	None assigned	Xn; R65
Alcohols, C12-18, ethoxylated and propoxylated	10-25	69227-21-0	500-242-1	None assigned	Xi; R41, N; R51/53
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	10-20	112-34-5	203-961-6	None assigned	Xi; R36
Nonylphenol, branched, ethoxylated	10-20	68412-54-4	500-209-1	None assigned	Xi; R36/38, N; R51/53
Alcohols, C11-14-iso-, C13-rich	2.5-10	68526-86-3	271-235-6	None assigned	N; R50
Ethoxylated Secondary Alcohols (C11-15)	2.5-5	68131-40-8	None assigned	None assigned	Xi; R38, R41
1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-C15-17-unsatd. Alkyl derivs	0.1-0.25	68937-01-9	273-051-1	None assigned	C; R34, Xn; R22, N; R50/53
Carbon dioxide	1-10	124-38-9	204-696-9	None assigned	None

### 3.2 Additional Information

For full text of H/P phrases see section 16.

## 4. SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.

Skin Contact

IF ON SKIN: Wash with plenty of water/soap. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Ingestion

IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

### 4.2 Most important symptoms and effects, both acute and delayed

Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.

### 4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.



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### 5. SECTION 5: FIRE-FIGHTING MEASURES

Pressurised container: May burst if heated.

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|--|--|
| <b>5.1 Extinguishing Media</b><br>Suitable Extinguishing Media   | Extinguish with carbon dioxide, dry chemical, foam or waterspray.  |
| Unsuitable Extinguishing Media                                   | Water jet spray.   |
| <b>5.2 Special hazards arising from the substance or mixture</b> | Heating may cause pressure rise with risk of bursting. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.   |
| <b>5.3 Advice for fire-fighters</b>                              | Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep containers cool by spraying with water if exposed to fire. |

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

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|--|--|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Ensure adequate ventilation. Wear protective gloves/eye protection.  |
| <b>6.2 Environmental precautions</b>   | Avoid release to the environment.  |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Adsorb spillages onto sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal. Containers must not be punctured or destroyed by burning, even when empty. |
| <b>6.4 Reference to other sections</b>   | See Also Section 8, 13.  |

### 7. SECTION 7: HANDLING AND STORAGE

- |  |   |
|--|---|
| <b>7.1 Precautions for safe handling</b>   | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Provide adequate ventilation. Avoid inhalation of high concentrations of mists. Wash hands thoroughly after handling. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b><br>Storage Temperature<br>Storage Life<br>Incompatible materials | Store locked up. Protect from sunlight.<br><br>Do not expose to temperatures exceeding 50°C/ 122°F.<br>Stable under normal conditions.<br>Strong oxidising agents, Acids.   |
| <b>7.3 Specific end use(s)</b>   | A Water Washable or Solvent Removable Fluorescent Dye Penetrant for use in the Dye Penetrant Inspection process BS EN ISO 571-1: 1997 (BS EN ISO 3452-2:2006)(AMS 2644, Type 1, Method A, Level 2).   |



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### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

##### 8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	10	67.5	15	101.2	WEL
Carbon dioxide	124-38-9	5000	9150	15000	27400	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

##### 8.1.2 Biological limit value

Not established.

##### 8.1.3 PNECs and DNELs

Not established.

#### 8.2 Exposure controls

##### 8.2.1 Appropriate engineering controls

Provide adequate ventilation.

##### 8.2.2 Personal protection equipment

Eye/face protection

Wear eye protection with side protection (EN166).



Skin protection (Hand protection/ Other)

Not normally required. Wear suitable gloves if prolonged skin contact is likely.



Respiratory protection

Not normally required. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.  
Filter type: A-P2.



Thermal hazards

Not applicable.

##### 8.2.3 Environmental Exposure Controls

Avoid release to the environment.

### 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Yellow - Green.
Odour	Hydrocarbon like.
Odour Threshold (ppm)	Not available.
pH (Value)	Not applicable.
Melting Point (°C)	Not applicable.
Boiling Point (°C)	230°C
Flash Point (°C)	>100°C
Evaporation rate	Not applicable.
Flammability	Non-flammable.
Explosive limit ranges	Not applicable.
Vapour Pressure (mm Hg) @ 20°C	<0.02mm Hg
Vapour Density (Air=1)	Not available.
Specific Gravity @ 20°C	0.86g/cm <sup>3</sup>
Solubility (Water)	Practically insoluble.



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	Solubility (Other)	Not available.
	Partition Coefficient (n-Octanol/water)	Not available.
	Auto Ignition Temperature (°C)	>200°C
	Decomposition Temperature (°C)	Not available.
	Kinematic Viscosity	Not available.
	Explosive properties	Not explosive.
	Oxidising properties	Not oxidising.
<b>9.2</b>	<b>Other information</b>	None.

### 10. SECTION 10: STABILITY AND REACTIVITY

<b>10.1</b>	<b>Reactivity</b>	Stable under normal conditions.
<b>10.2</b>	<b>Chemical stability</b>	Stable under normal conditions.
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	Stable under normal conditions.
<b>10.4</b>	<b>Conditions to avoid</b>	Heat and direct sunlight.
<b>10.5</b>	<b>Incompatible materials</b>	Strong oxidising agents, Acids.
<b>10.6</b>	<b>Hazardous Decomposition Product(s)</b>	Carbon monoxide, Carbon dioxide.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1</b>	<b>Information on toxicological effects</b>	
	Acute toxicity	Low acute toxicity.
	Irritation	Causes skin irritation.
	Corrosivity	Causes serious eye damage.
	Sensitisation	It is not a skin sensitiser.
	Repeated dose toxicity	None anticipated.
	Carcinogenicity	No evidence of carcinogenicity.
	Mutagenicity	There is no evidence of mutagenic potential.
	Toxicity for reproduction	None anticipated.
	Aspiration hazard	May be fatal if swallowed and enters airways.
<b>11.2</b>	<b>Other information</b>	None.

### 12. SECTION 12: ECOLOGICAL INFORMATION

The following information is based on a consideration of the properties of the main components of this mixture.

<b>12.1</b>	<b>Toxicity</b>	Toxic to aquatic life with long lasting effects.
<b>12.2</b>	<b>Persistence and degradability</b>	Part of the components are poorly biodegradable.
<b>12.3</b>	<b>Bioaccumulative potential</b>	The product has potential for bioaccumulation.
<b>12.4</b>	<b>Mobility in soil</b>	Practically insoluble. The product is predicted to have low mobility in soil.
<b>12.5</b>	<b>Results of PBT and VPVB assessment</b>	No information available.
<b>12.6</b>	<b>Other adverse effects</b>	None.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1</b>	<b>Waste treatment methods</b>	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility. Refer to manufacturer for information on recovery/recycling. Do NOT landfill.
<b>13.2</b>	<b>Additional Information</b>	Disposal should be in accordance with local, state or national legislation.



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### 14. SECTION 14: TRANSPORT INFORMATION

<b>14.1</b>	<b>UN number</b>	UN 1950
<b>14.2</b>	<b>UN Proper Shipping Name</b>	AEROSOLS.
	Land transport/ Sea transport	AEROSOLS NON-FLAMMABLE.
	Air transport	
<b>14.3</b>	<b>Transport hazard class(es)</b>	
	ADR/RID/ADN	2
	IMDG/ ICAO/IATA	2.2
<b>14.4</b>	<b>Packing Group</b>	None.
<b>14.5</b>	<b>Environmental hazards</b>	Marine Pollutant.
<b>14.6</b>	<b>Special precautions for user</b>	None.
<b>14.7</b>	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not permitted (for bulk tankers transported by ship only).
<b>14.8</b>	<b>Additional Information</b>	
<b>14.8.1</b>	Label (ADR Number System)	2.2
<b>14.8.2</b>	IMDG Code	EmS: F-D, S-U
<b>14.8.3</b>	ADR Tunnel Code	E

### 15. SECTION 15: REGULATORY INFORMATION

<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1</b>	<b>EU regulations</b>	
	<b>Authorisations and/or restrictions on use</b>	
	Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
	REACH: ANNEX XIV List of substances subject to authorisation	All chemicals are not listed.
	REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Listed: 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (CAS No.: 112-34-5)
	Community Rolling Action Plan (CoRAP); Draft: 26/03/2014	All chemicals are not listed.
<b>15.1.2</b>	<b>National regulations</b>	None known.
<b>15.2</b>	<b>Chemical Safety Assessment</b>	Not available.

### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

#### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG	International Maritime Code for Dangerous Goods
Aerosol 3	Aerosol Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
Eye Dam. 1	Serious eye damage/irritation Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2



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Asp. Tox. 1	Aspiration hazard Category 1
Acute Tox. 4	Acute toxicity Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Aquatic Acute 1	Hazardous to the aquatic environment Acute Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment Chronic Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment Chronic Category 2
Xi	Irritant
Xn	Harmful
C	Corrosive
N	Dangerous for the environment.

### Risk Phrases

R22	Harmful if swallowed.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

### Hazard statement(s) and Precautionary statement(s)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P264	Wash hands thoroughly after handling.
P302+P352	IF ON SKIN: Wash with plenty of water/soap
P310	Immediately call a POISON CENTER/doctor.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P391	Collect spillage.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

### Hazard pictogram(s) and Hazard Symbol

GHS05



Xn



GHS07



Xi







## NEON W/W - AEROSOL

GHS08



N



GHS09



### Disclaimers

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### Annex to the extended Safety Data Sheet (eSDS)

No information available.